

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Currently Amended) ~~A~~In a removable optical device ~~(08)~~ for releasable attachment to a microscope ~~(01)~~ suitable for contact-free observation of an eye ~~(05)~~ with at least one lens ~~(09)~~, which can be arranged between an objective ~~(04)~~ of the microscope ~~(01)~~ and the eye ~~(05)~~ in the optical axis ~~(06)~~ of the microscope ~~(01)~~ and can be adjusted with a drive device, with which the lens ~~(09)~~ can be adjusted along the optical axis ~~(06)~~ of the microscope ~~(01)~~, ~~characterized in that~~ the improvement wherein an electric drive motor ~~(24)~~ is integrated in the removable device ~~(08)~~, which, together with the device ~~(08)~~, can be detached from the microscope and sterilized by a suitable method.

2. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein the drive motor ~~(24)~~ is arranged in a housing ~~(18)~~, which encloses the drive motor ~~(24)~~ against the surrounding environment in a manner sealed from gases and moisture.

3. (Currently Amended) The device according to claim 2, ~~characterized in that~~ wherein the drive movement of the drive motor ~~(24)~~ is transferred to a drive part ~~(25a)~~ of a contact-free acting coupling ~~(25)~~, wherein the drive part ~~(25a)~~ of the coupling ~~(25)~~ is arranged together with the drive motor ~~(24)~~ encapsulated in gas- and moisture-sealed manner in the housing ~~(18)~~, and wherein the drive movement of the drive part ~~(25a)~~ can be transferred in a contact-free manner to an output part

~~(25b)~~ of the coupling ~~(25)~~ arranged outside of the encapsulated housing ~~(18)~~.

4. (Currently Amended) The device according to claim 3, ~~characterized in that~~ wherein the coupling is embodied in the form of a magnetic coupling ~~(25)~~.

5. (Currently Amended) The device according to claim 2, ~~characterized in that~~ wherein the housing ~~(18)~~ has a through opening ~~(28)~~ for passage of an electrical cable ~~(21)~~, which is gas and moisture sealed by means of a sealing means ~~(29, 31)~~ against the surrounding environment.

6. (Currently Amended) The device according to claim 5, ~~characterized in that~~ wherein a sealing ring ~~(29)~~ is provided as the sealing means, which can be attached with a suitable attachment means ~~(30)~~ in a sealing gap between the housing ~~(18)~~ and the electrical cable ~~(25)~~.

7. (Currently Amended) The device according to claim 5, ~~characterized in that~~ wherein on the end of the electrical cable ~~(21)~~, a plug ~~(22)~~ that is suited for sterilization is provided.

8. (Currently Amended) The device according to claim 2, ~~characterized in that~~ wherein at least one hollow chamber in the interior of the housing ~~(18)~~ is lined with a hardened sealing compound ~~(31)~~.

9. (Currently Amended) The device according to claim 8, ~~characterized in that~~ wherein the housing ~~(18)~~ has at least one fill opening ~~(37)~~, through which the sealing compound ~~(31)~~ can be filled in the housing after the mounting of the drive motor ~~(24)~~ in the housing ~~(18)~~.

10. (Currently Amended) The device according to claim 2, ~~characterized in that~~ wherein the housing is made from at

least two housing parts ~~(18a, 18b)~~ connected to one another in a gas- and moisture-sealed manner.

11. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein an accumulator for network-free energy supply of the drive motor with drive energy is provided on the device.

12. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein a device for wireless data transmission, in particular, an infrared interface, is provided on the device.

13. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein the lens ~~(09)~~ together with a holding device ~~(10)~~ provided for attachment of the lens ~~(09)~~ on the device ~~(08)~~ is embodied in the form of a one-way article.

14. (Currently Amended) The device according to claim 13, ~~characterized in that~~ wherein the lens ~~(09)~~ and/or the holding device ~~(10)~~ is made from plastic.

15. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein the lens ~~(09)~~ is embodied in the form of a higher-diffracting, aspherical magnifiers.